

August 1, 2012

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SUPERFUND DIVISION

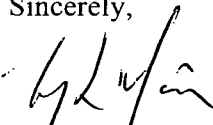
Mr. Jason Gunter
Remedial Project Manager
U.S. Environmental Protection Agency
Region 7 - Superfund Branch
901 North 5th Street
Kansas City, KS 66101

Re: The Doe Run Company – Federal Mine Tailings Site Monthly Progress Report

Dear Mr. Gunter:

As required by Article XVII, Paragraph 73 of the Administrative Order on Consent (Docket No. VII-97-F-0009) for the referenced project and on behalf of The Doe Run Company, the progress report for the period June 1, 2012 through June 30, 2012 is enclosed. If you have any questions or comments, please call me at 573-638-5020 or Mark Nations at 573-518-0800.

Sincerely,



Ty L. Morris, P.E., R.G.
Vice President

TLM/jms

Enclosure

c: Mark Nations – TDRC
Matt Wohl – TDRC (electronic only)
Martin Kator – MDNR - DSP
Kathy Rangen – MDNR - HWP
Adam Nanney – Barr Engineering

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Federal Mine Tailings Site
Park Hills, Missouri
Monthly Progress Report
Period: June 1, 2012 – June 30, 2012

1. Actions Performed or Completed This Period:

- a. Work continued on the task of stockpiling rock onsite. This work focused on stockpiling trail rock, Type 1 riprap, and Type 2 riprap. These rock types are being stockpiled in the northern portion of the Borrow Area as well as near the shaft rock pile. As of the end of the period, work on this task continued.
- b. Work in the Off Road Vehicle Riding (ORV) Area continued. This work focused on constructing a temporary fence to keep riders away from the working area in Phase I of the ORV Riding Area. As of the end of the period, work on this task had been completed.

Upon finishing construction activities on the fence, removal action activities in the ORV Riding Area resumed. This work focused on construction of the East ORV Drainage Channel between Stations 20+00 and 0+00. As of the end of the period, the portion of the channel between Stations 20+00 and 10+00 had been constructed to the final subgrade elevations, and the portion of the channel between Station 20+00 and 15+00 had been covered with rock as described in the Construction Drawings.

- c. Work continued in the Former Chat Pile Area. This work focused on constructing the drainage channel that runs through this area. This work included excavating mine waste and weathered bedrock from the channel to construct the channel bottom to the approved final subgrade elevations. As of the end of the period, work on this task has been put on hold to resume work in the ORV riding area.

The seep that developed at the base of the slope on the downstream side of the sedimentation basin located at the downstream end of the channel that runs through the Former Chat Pile Area has been left open and continues to flow freely. At this time, there is not an obvious source of water for this seep, and the flow has caused a small amount of erosion in the toe of this slope. Further exploration of this seep is planned. Doe Run also plans to contact Missouri Department of Transportation (MoDOT) to see if the existing retention and drop structures can be bypassed to avoid future seepage in the berm.

- d. Work on the task of adding additional air monitoring stations into the network of stations continued. This work focused on developing an air monitoring plan, as well as gaining access for the placement of another air monitoring station to the northeast of the Former Mill Area. As of the end of the period, work on these tasks continued.

2. Data and Results Received This Period:

- a. Included with this progress report are a table and two charts. These documents show the data for the Missouri Department of Natural Resources – Department of State Parks (MDNR-DSP) air monitor located near the ORV Riding Area from January 2010 through May 2012. This information is being provided to EPA in this report as a courtesy to MDNR-DSP. Neither The Doe Run Company nor Barr Engineering were involved with siting this monitor, collecting the samples, processing the samples, evaluating the data, or verifying the accuracy of the data.

3. Planned Activities for Next Period:

- a. Work in the ORV Riding Area will continue on the Main Drainage Channel. Work in this area will focus on constructing and rocking the portion of this channel between Stations 120+00 and 85+00.

- b. Work in the ORV Riding Area will continue on the East ORV Drainage Channel. Work in this area will focus on constructing and rocking the portion of this channel between Stations 15+00 and 0+00.
- c. Work in the ORV Riding Area will continue on the task of covering the trails that are part of the trail network with trail rock.
- d. Work in the ORV Riding Area will continue on the task of covering areas that are not part of the defined trail network with rock or soil.
- e. Work will continue on the task of stockpiling trail rock, Type 1 riprap, and Type 2 riprap.
- f. The plan to place additional air monitors around the site will be implemented.
- g. The next MDNR-DSP progress meeting is planned for September 11, 2012.

4. Changes in Personnel:

- a. None.

5. Issues or Problems Encountered and the Resolution:

- a. None.

End of Monthly Progress Report

St. Joe State Park Lead, January 2010 through May 2012, ug/m3

Note: values of 0.007 (or of 0.004 starting July 2011) are generally nondetects

Note: blank cells indicate no valid sample, or insufficient data to calculate an average

Monthly Average Lead Concentrations, 2010-2012, ug/m3

	SJSP
January	0.015
February	0.009
March	0.008
April	0.021
May	0.054
June	0.033
July	0.037
August	0.033
September	0.011
October	0.052
November	0.021
December	0.032
January	0.011
February	0.007
March	
April	0.007
May	0.007
June	0.015
July	0.028
August	0.030
September	0.364
October	
November	
December	0.011
January	0.023
February	0.024
March	0.081
April	0.034
May	0.057

St. Joe State Park Lead, January 2010 through May 2012, ug/m3

Note: values of 0.007 (or of 0.004 starting July 2011) are generally nondetects

Note: blank cells indicate no valid sample, or insufficient data to calculate an average

3-Month Rolling Average Lead Concentrations, 2010-2012, ug/m3

Jan-Mar	0.011	0.15
Feb-Apr	0.012	0.15
Mar-May	0.027	0.15
Apr-Jun	0.036	0.15
May-Jul	0.041	0.15
Jun-Aug	0.034	0.15
Jul-Sep	0.027	0.15
Aug-Oct	0.032	0.15
Sep-Nov	0.028	0.15
Oct-Dec	0.035	0.15
Nov-Jan	0.021	0.15
Dec-Feb	0.017	0.15
Jan-Mar		0.15
Feb-Apr		0.15
Mar-May		0.15
Apr-Jun	0.010	0.15
May-Jul	0.017	0.15
Jun-Aug	0.024	0.15
Jul-Sep	0.141	0.15
Aug-Oct		0.15
Sep-Nov		0.15
Oct-Dec		0.15
Nov-Jan		0.15
Dec-Feb	0.019	0.15
Jan-Mar	0.043	0.15
Feb-Apr	0.046	0.15
Mar-May	0.057	0.15

St. Joe State Park Lead, Jan

Note: values of 0.007 (or of 0

Note: blank cells indicate no

Daily Average Lead Concentration

	SJSP
1/2/10	0.052
1/5/10	0.019
1/8/10	0.008
1/11/10	0.007
1/14/10	0.007
1/17/10	0.007
1/20/10	0.007
1/23/10	0.007
1/26/10	0.029
1/29/10	0.007
2/1/10	0.007
2/4/10	0.007
2/7/10	0.015
2/10/10	
2/13/10	
2/16/10	
2/19/10	0.007
2/22/10	
2/25/10	
2/28/10	
3/3/10	0.011
3/6/10	
3/9/10	0.007
3/12/10	
3/15/10	0.007
3/18/10	
3/21/10	0.007
3/24/10	
3/27/10	0.007
3/30/10	
4/2/10	
4/5/10	0.007
4/8/10	0.018
4/11/10	
4/14/10	
4/17/10	
4/20/10	0.050
4/23/10	
4/26/10	0.007
4/29/10	
5/2/10	0.011
5/5/10	0.014
5/8/10	0.260
5/11/10	
5/14/10	0.025
5/17/10	0.007

St. Joe State Park Lead, Jan

Note: values of 0.007 (or of 0

Note: blank cells indicate no '

Daily Average Lead Concentration

	SJSP
5/20/10	0.007
5/23/10	0.049
5/26/10	0.056
5/29/10	
6/1/10	
6/4/10	0.011
6/7/10	0.028
6/10/10	0.010
6/13/10	
6/16/10	0.059
6/19/10	0.084
6/22/10	0.017
6/25/10	0.021
6/28/10	
7/1/10	0.032
7/4/10	0.052
7/7/10	0.028
7/10/10	0.108
7/13/10	0.011
7/16/10	0.024
7/19/10	0.007
7/22/10	
7/25/10	
7/28/10	
7/31/10	0.031
8/3/10	0.017
8/6/10	0.035
8/9/10	0.017
8/12/10	0.024
8/15/10	0.104
8/18/10	0.042
8/21/10	0.021
8/24/10	
8/27/10	0.032
8/30/10	0.007
9/2/10	0.007
9/5/10	
9/8/10	0.011
9/11/10	
9/14/10	
9/17/10	0.007
9/20/10	
9/23/10	0.007
9/26/10	0.018
9/29/10	0.014
10/2/10	0.075

St. Joe State Park Lead, Jan

Note: values of 0.007 (or of 0

Note: blank cells indicate no

Daily Average Lead Concentration

	SJSP
10/5/10	0.022
10/8/10	0.021
10/11/10	0.049
10/14/10	0.014
10/17/10	0.188
10/20/10	
10/23/10	
10/26/10	0.014
10/29/10	0.032
11/1/10	0.018
11/4/10	
11/7/10	0.014
11/10/10	0.011
11/13/10	0.039
11/16/10	0.061
11/19/10	0.007
11/22/10	0.007
11/25/10	
11/28/10	0.007
12/1/10	0.015
12/4/10	0.029
12/7/10	
12/10/10	0.043
12/13/10	
12/16/10	
12/19/10	
12/22/10	0.059
12/25/10	
12/28/10	0.015
12/31/10	
1/3/11	
1/6/11	
1/9/11	
1/12/11	0.007
1/15/11	0.015
1/18/11	
1/21/11	
1/24/11	
1/27/11	
1/30/11	
2/2/11	
2/5/11	
2/8/11	0.007
2/11/11	
2/14/11	0.007
2/17/11	

St. Joe State Park Lead, Jan

Note: values of 0.007 (or of 0

Note: blank cells indicate no

Daily Average Lead Concentration

	SJSP
2/20/11	
2/23/11	
2/26/11	
3/1/11	
3/4/11	
3/7/11	
3/10/11	
3/13/11	
3/16/11	
3/19/11	
3/22/11	
3/25/11	
3/28/11	
3/31/11	
4/3/11	
4/6/11	
4/9/11	
4/12/11	
4/15/11	0.007
4/18/11	
4/21/11	0.007
4/24/11	
4/27/11	0.007
4/30/11	
5/3/11	0.008
5/6/11	
5/9/11	0.007
5/12/11	
5/15/11	0.007
5/18/11	
5/21/11	0.007
5/24/11	
5/27/11	0.007
5/30/11	
6/2/11	0.012
6/5/11	
6/8/11	0.023
6/11/11	
6/14/11	0.017
6/17/11	
6/20/11	0.007
6/23/11	
6/26/11	0.014
6/29/11	
7/2/11	0.053
7/5/11	

St. Joe State Park Lead, Jan

Note: values of 0.007 (or of 0

Note: blank cells indicate no

Daily Average Lead Concentration

	SJSP
7/8/11	0.020
7/11/11	
7/14/11	0.011
7/17/11	
7/20/11	0.038
7/23/11	
7/26/11	0.019
7/29/11	
8/1/11	0.014
8/4/11	
8/7/11	0.047
8/10/11	
8/13/11	0.027
8/16/11	
8/19/11	0.014
8/22/11	
8/25/11	0.054
8/28/11	
8/31/11	0.025
9/3/11	
9/6/11	0.341
9/9/11	
9/12/11	0.039
9/15/11	
9/18/11	
9/21/11	
9/24/11	
9/27/11	
9/30/11	0.712
10/3/11	
10/6/11	0.032
10/9/11	
10/12/11	
10/15/11	
10/18/11	
10/21/11	
10/24/11	0.025
10/27/11	
10/30/11	
11/2/11	
11/5/11	
11/8/11	
11/11/11	
11/14/11	
11/17/11	
11/20/11	

St. Joe State Park Lead, Jan

Note: values of 0.007 (or of 0

Note: blank cells indicate no

Daily Average Lead Concentration

	SJSP
11/23/11	
11/26/11	0.003
11/29/11	0.008
12/2/11	0.012
12/5/11	
12/8/11	0.025
12/11/11	0.007
12/14/11	0.003
12/17/11	0.015
12/20/11	0.009
12/23/11	0.013
12/26/11	0.005
12/29/11	0.012
1/1/12	0.022
1/4/12	0.025
1/7/12	0.073
1/10/12	0.035
1/13/12	0.005
1/16/12	0.008
1/19/12	0.018
1/22/12	0.005
1/25/12	0.003
1/28/12	0.005
1/31/12	0.054
2/3/12	
2/6/12	
2/9/12	0.011
2/12/12	0.024
2/15/12	0.003
2/18/12	0.047
2/21/12	0.016
2/24/12	0.007
2/27/12	0.061
3/1/12	0.365
3/4/12	0.133
3/7/12	0.115
3/10/12	0.011
3/13/12	0.006
3/16/12	0.004
3/19/12	0.004
3/22/12	0.006
3/25/12	
3/28/12	
3/31/12	
4/3/12	
4/6/12	0.060

St. Joe State Park Lead, Jai

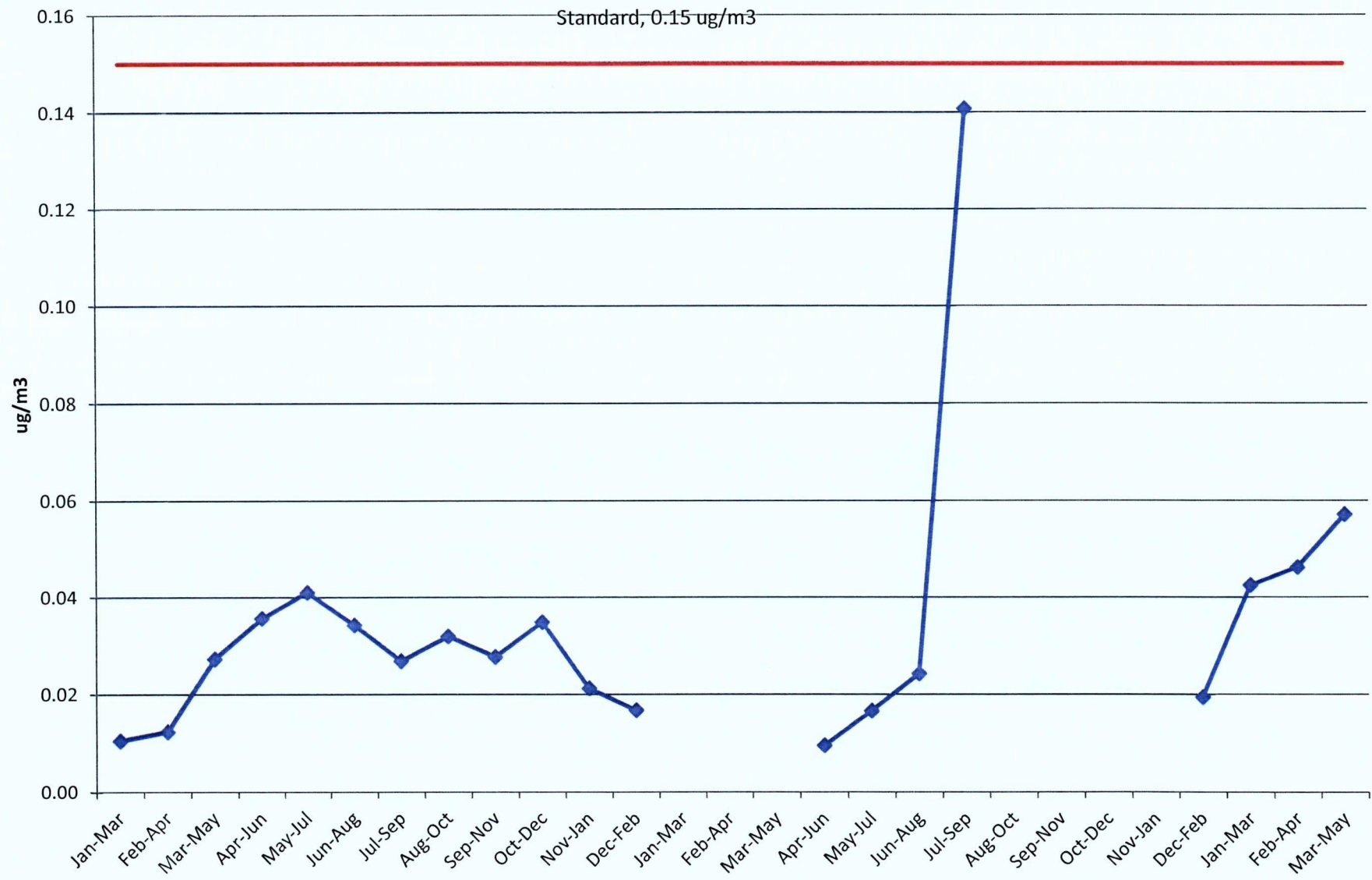
Note: values of 0.007 (or of 0

Note: blank cells indicate no

Daily Average Lead Concer

	SJSP
4/9/12	0.063
4/12/12	0.013
4/15/12	0.010
4/18/12	0.007
4/21/12	0.079
4/24/12	0.038
4/27/12	0.032
4/30/12	0.006
5/3/12	0.005
5/6/12	0.036
5/9/12	0.013
5/12/12	0.181
5/15/12	0.035
5/18/12	0.027
5/21/12	0.113
5/24/12	0.041
5/27/12	0.075
5/30/12	0.042

St. Joe State Park 3-Month Rolling Average Lead Concentrations, Jan 2010-May 2012



SJSP Daily Average Lead Concentrations, ug/m3

